

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: had@halcyon.com
Subject: **WRB:600 Ohm-8 Ohm Xforms
Message-ID: <NEWTNews.15350.847060663.had@halcyon.com>

Need several small 600 Ohm to 8-16 Ohm audio matching transformers.
Like UTC F-7101 or TF 1A16YY.

Thanks,
Hadley, K7MLR
had@halcyon.com

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: **WRB:600 Ohm-8 Ohm Xforms
Message-ID: <Pine.ULT.3.95.961103173134.23959D-1000000@admin.aurora.edu>

On Sun, 3 Nov 1996 had@halcyon.com wrote:

> Need several small 600 Ohm to 8-16 Ohm audio matching transformers.
> Like UTC F-7101 or TF 1A16YY.

As I mentioned some time ago, a 12 volt filament transformer makes a
good 600 to 6 ohm job.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: David Ross <ross@hypertools.com>
Subject: 51S-1 use below 2 MCs...
Message-ID: <199611031852.KAA09557@kim.teleport.com>

Fellow Filamentarians...

Lots of talk lately about the 51S-1, and some regarding it's use below 2
MCs. After trying his 51S-1 on 160, Mike Sanders wrote:

> Is it my receiver, me or has anyone else thought the 51S1 was a
> bit light on sensitivity on lower freqs? Guess I am going to have to put
> it back on the bench and actually measure it across its spectrum. I may
> have to look further at the alignment on this rx.

In the 'Collins General Purpose HF Receivers' brochure, the '51S-1 Specifications' section makes no mention at all about operation below 2 MCs. In the text portion of the brochure is this:

"A built-in converter permits extended coverage from .2 to 2.0 MHz and, when used with the optional 55G-1 Preselector, full communications quality reception is afforded in this frequency range."

This 'built-in converter' amounts to a ~2 MC low pass filter and a 28 MC oscillator which is used to upconvert the .2 - 2 MCs band to 28.2 - 30 MCs. All the 51S-1 tuning turrets have only 28 positions and are used only to tune from 2 to 30, so when the MC counter on the dial shows 0.X or 1.X, the receiver is actually tuned to 28.X or 29.X MCs but is listening through the low pass filter and the 28 MC upconverter. Below 2 MC, the front end is simply a low pass filter and a mixer.

A pretty sly way to extend frequency coverage down three-plus octaves - my guess is that the receiver would be much larger if Collins used the same 2 - 30 MCs turret scheme for the .2 - 2.0 MCs coverage.

Specs for the 55G-1, again from the marketing propaganda brochure, are:

FREQUENCY RANGE:

.2 to 2.0 MHz, covered in two bands (200 to 600 and 600 to 2000 kHz).

TYPE OF RECEPTION:

USB, LSB, AM, CW, and RTTY.

SENSITIVITY (when used with 51S-1 receivers):

SSB, CW, RTTY: 1 uV for NLT 10 dB carrier on, carrier off.

AM: 5 uV for NLT 10 dB signal plus noise to noise

INPUT IMPEDANCE:

50 ohms, unbalanced. Random length antennas may be used.

OUTPUT IMPEDANCE:

Designed for 51S-1 input low pass filter (presents nominal impedance of 50 ohms).

Also, 0-50 degrees C, up to 90% humidity, 0 to 70,000 ft., 7.75" hi x 10.0" wide x 8.0" deep, 6.5 lbs., requires 28 VDC or 115/230 volt 50/60 or 400 Hz at 1 watt (misprint?). Not mentioned in the brochure, but the photo looks as if it may have a speaker in it, enclosure is similar to that of a

312B-4. Picture shows a "TUNING" knob and a "KC BAND" knob. The 55G-1 seems to be really hard to find...

73

Dave Ross KA6EPI ross@hypertools.com

Collins sold a 55G-1 preselector for use with the 51S-1, which extended coverage

At 09:34 11/03/96 -0600, you wrote:

>Greetings,

> Last night when signals appeared on 160 I ran the 51S1 through the
>MFJ 989C tuner. BCB signals gone. I suspected so. There is a large off
>shore radio mfg'r that has internal tuners as options on some of its hf rigs.
>Even their top of the line rig does not use the tuner on the rx side. A mod
>is required to get the tuner to work on both tx and rx. A friend who has one
>of the top dog rigs from this outfit had a real problem with BCBI to his rig.
>When he did the auto antenna tuner mod the problem disappeared. Same
>with the 51S1. Another sharp tuned circuit ahead of the rx kills the "out of
>band" interference. I have to do the same thing at my location for 6 meters.
>Channel 2 TV is close and so strong here that on 6 meters it makes the
>band unusable. A tuned strip line filter takes care of that. Soooooooo a bit
>of help can be had for lots of old receivers by using an antenna tuner ahead
>of them.

> The old TA33 pointed at EU this morning is hearing a lot of stations
>including some not so strong ones on the Kwood 850. I did an A/B switch
>with the 51S1 and found it was more pleasant to listen to. It was hearing
>the weak ones on 20 meters just as well as the Kwood. However less
>hash in the 51S1 than the 850. Since I have cascaded crystal filters in
>the 850 you would think it might be a bit quieter but it is not. I did not
>use the slope tuning for comparison sake. All in all I would say the 51S1
>is missing nothing in the way of weak ones. Of course with close in
>stations creating qrm it would suffer due to its filter skirts. Greater BW
>more problems but better sound. I like the 850 sound. I like the 51S1
>better. If the going got rough the 850 would do the job and get the call.

> Is it my receiver, me or has anyone else thought the 51S1 was a

>bit light on sensitivity on lower freqs? Guess I am going to have to put
>it back on the bench and actually measure it across its spectrum. I may
>have to look further at the alignment on this rx. With permeability tuning
>I would think it would be a bit more flat than it appears. Again, I have
>made no measurements just by ear. I will check it on the IFR service
>monitor next weekend or before and let you all know the results.

> .

> Noticed an old ad again on wrecked radio for the 585 dollar
>75A4. It would be interesting to see how long it takes to sell this
>radio which is now kinda known. Could this be the beginning of
>a moderation in prices? Steve Ellington just sold one with a standard
>filter and no engraving for 500. Did Steve as a seller draw a line in
>the dirt for us? I am not angry, bitter or otherwise miffed. I am
>actually amused. If nobody bought coffee for two days the price on
>it would drop to 50 cents a pound or something. I talked to the
>guy on the 585 dollar A4 before he advertised it. I did not know it
>did not have a filter. I offered 400 to 500 for it but thought it was a
>useable/repairable receiver at the time I did. When the guy put out
>the ad on it he did not call me as I requested him to do when he
>figured out his price. I also at that time was ready to ask lots of
>questions about the rx. I would have jumped on Steves single filter
>A4 as described if I had not just spent a few bux on this other
>Collins stuff. Ahhhh, timing. I guess some buyers and sellers know
>what the actual market is on this equipment no matter what the
>ads say.

>

>

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: 51S1 with tuner s/n comparison by ear....etc.
Message-ID: <199611031533.JAA22901@mail1.i1.net>

Greetings,

Last night when signals appeared on 160 I ran the 51S1 through the MFJ 989C tuner. BCB signals gone. I suspected so. There is a large off shore radio mfgr that has internal tuners as options on some of its hf rigs. Even their top of the line rig does not use the tuner on the rx side. A mod is required to get the tuner to work on both tx and rx. A friend who has one of the top dog rigs from this outfit had a real problem with BCBI to his rig. When he did the auto antenna tuner mod the problem disappeared. Same with the 51S1. Another sharp tuned circuit ahead of the rx kills the "out of band" interference. I have to do the same thing at my location for 6 meters. Channel 2 TV is close and so strong here that on 6 meters it makes the band unusable. A tuned strip line filter takes care of that. Soooooooo a bit of help can be had for lots of old receivers by using an antenna tuner ahead

of them.

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Is it my receiver, me or has anyone else thought the 51S1 was a bit light on sensitivity on lower freqs? Guess I am going to have to put it back on the bench and actually measure it across its spectrum. I may have to look further at the alignment on this rx. With permeability tuning I would think it would be a bit more flat than it appears. Again, I have made no measurements just by ear. I will check it on the IFR service monitor next weekend or before and let you all know the results.

Noticed an old ad again on wrecked radio for the 585 dollar 75A4. It would be interesting to see how long it takes to sell this radio which is now kinda known. Could this be the beginning of a moderation in prices? Steve Ellington just sold one with a standard filter and no engraving for 500. Did Steve as a seller draw a line in the dirt for us? I am not angry, bitter or otherwise miffed. I am actually amused. If nobody bought coffee for two days the price on it would drop to 50 cents a pound or something. I talked to the guy on the 585 dollar A4 before he advertised it. I did not know it did not have a filter. I offered 400 to 500 for it but thought it was a useable/repairable receiver at the time I did. When the guy put out the ad on it he did not call me as I requested him to do when he figured out his price. I also at that time was ready to ask lots of questions about the rx. I would have jumped on Steves single filter A4 as described if I had not just spent a few bux on this other Collins stuff. Ahhhh, timing. I guess some buyers and sellers know what the actual market is on this equipment no matter what the ads say.

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: Air cap, and manual needed
Message-ID: <2.2.16.19961103191521.24e7a8f8@fvmail.com>

i need an air variable...4500v .125 gap single section 15-154 pf
size overall about 12".....

if ya have this animal let me know.....

also for a friend, looking for 75A4 manual (5099 serial)

if you have this or a copy...email me with price, and i'll let him know...

thank you all....

=====]-[->

Robert Fowle KC8DBC

The HAMMARLUND Historian

Ph. 517-789-6721

1215 Winifred

Jackson, Mich. 49202-1946

E-mail: hammarlund@jacksonmi.com

Web Page: <http://www.jacksonmi.com/hammarlund>

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

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Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors

<your name>

the news group: rec.radio.amateur.boatanchors

news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: "Christopher A. Bowne" <radiobwn@q.continuum.net>

Subject: RE: BC-654 legs needeed

Message-ID: <199611031040.FAA12186@q.continuum.net>

>From: "Joseph W. Pinner" <kc5ijd@mail.net-connect.net> writes:

I need a set of legs for my BC-654. I recently acquired a beautiful set complete with PE-103 and PE-104.

If you just want something functional, but not original, use steel conduit cut to about 20 inches, and squished oval on one end to fit into the attachment point on the radio. Paint OD to match the radio.

BTW, I got my dimension by scaling off a photo of to GIs in Burma operating a 654, with a POW or possibly a local cranking the generator. Think it was in a book about WW2 military technology.

73,

Chris Bowne, AJ1G

Stonington, CT

radiobwn@q.continuum.net

AMI No. 211 (VT-4C)

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: cable connectors
Message-ID: <2.2.16.19961103150451.0957b31c@fvmail.com>

have the following round 'octal style:

1- 11 pin female nos
1- 11 pin male used
4- 9 pin female nos
2- 5 pin female nos
2- 5 pin male nos
1- 5 pin male used

and a bunch of 8 pin male & female nos & used
also 4 pin male/female new & used

offers on 1 or all

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors
<your name>

the news group: rec.radio.amateur.boatanchors
news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Skip MacAdams" <skip@pex.net>
Subject: Central Electronics 20A
Message-ID: <199611032226.0AA09708@pex.net>

Hello..

I'm posting this cry for help for my father in-law (W3ALR)..

He is looking for a manual (or copy there of) of a Central Electronics model 20A transmitter.. He tells me that it is a 15 watt transmitter using 4 6AG7's as finals..

Can anyone give a helping hand in locating a manual for this boatanchor??

You can E-mail me direct and I'll pass along the info..

Thanks for the help..

73es

Skip -K3AEE- CW&SSB 80,40,20
E-MAIL:
skip@pex.net

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From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: heikud@directcon.net (Dennis Heikura)
Subject: Cleaning
Message-ID: <199611031523.HAA28166@zeus.directcon.net>

Hi Gang,

Know this thread has appeared before but need to ask any way. What is a easy way to clean a chassis consisting of frame mounted printed circuit circuit boards. ie. Heath. SB series, HW-101 etc.? There must be a easier way thats safe for components and lettering other than the small brush, detergent solution method. Are these safe to hose off?

Just call me cautious.

73==Denny
WB7EGG

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Connector needed
Message-ID: <327D1374.A45@ghgcorp.com>

Hi folks, all this talk of connectors made me finally decide to look at

the connector I need for my Panoramic Corp Panadapter.

Here is what I need (needle in haystack time!):

It is an Amphenol 97 series "standard circular connector" shell style insert 28-02S. The plug will (hopefully!) be marked "Amphenol 28-02S" for easy identification. Physically, the plug has two large sockets in the center, and 12 smaller sockets arranged in rows. It will be about 1.5 inches in diameter.

Newarks wants like \$45 for it, so I'll pay around \$15 plus shipping for one, maybe more if it is new...

Thanks and 73,

Ben

--

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From the computer of          | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHGCorp.com -or-       | involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov      | Fire.
-----
```

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: Scott Townley <nx7u@primenet.com>

Subject: Re: FS: MIT Radiation Series Volumes

Message-ID: <1.5.4.16.19961103131435.085f080a@mailhost.primenet.com>

I'm interested. Put me in the lottery as I'm sure there will indeed be multiple responses.

Thanks.

At 20:42 02.11.1996 -0600, Mark S. Hovda wrote:

>I have the following MIT Radiation Laboratory Series volumes for sale:

>

>Vol. 18 Vacuum Tube Amplifiers

>Vol. 19 Waveforms

>Vol. 20 Electronic Time Measurements

>Vol. 21 Electronic Instruments

>Vol. 22 Cathode Ray Tube Displays

>

>Over 3,500 pages of theory developed at MIT, and at other labs, during WWII.

>

>All volumes in very good or better condition. Terms: \$70 for all, shipped to
>the continental US. If I get multiple responses, I'll make a random selection
>Monday evening. Preference in the selection process will be given to those who
>have provided assistance to me.

>

>Mark

>N0JWI

>

>

Scott Townley "When the Going gets Weird,
nx7u@primenet.com the Weird turn Pro"

-Dr. Gonzo, Sports Editor

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: launerb@crl.com (William H. Launer)

Subject: Re: High Powered AM

Message-ID: <v01530500aea2b177794f@[192.0.2.1]>

>Now there's a thought. But Bob's right. That old tinny sounding carbon
>button really does have some audio punch.

If I recall correctly, an audio range of 300 - 3000 cps was all that was
considered necessary for voice communication links, so they didn't waste
bandwidth
on any higher frequencies.

73 Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-1 #279 qrp arc1 #3551

Grid Square EM48RT

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: jlyle@netcom.com (Jim Lyle)

Subject: IF xformer labeling?

Message-ID: <199611032330.PAA13596@netcom9.netcom.com>

Is there some standard way of labeling (numbering) the pins on IF

transformer cans? All of the cans I've checked have one of the pins labeled with a color dot. Is that pin 1? Also, does the color of the dot have significance? Most I've seen are purple and green, but I think I've seen a few other colors too.

--

Jim Lyle

jlyle@netcom.COM

<http://www.troubadortech.com/jlyle/>

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: IMPERIAL JAPANESE NAVY CRYSTALS
Message-ID: <199611040135.RAA11207@dfw-ix6.ix.netcom.com>

You just never know what jewels and treasures lay
in the bottom of those dirty old ham-fest boxes....

You could have found me this past saturday at the
'Vegas swap meet in my very favorite postion:
on my knees and elbow-deep in the mysterious
innards of a dirty, dusty hamfest box. From deep within
its cobwebby bowels I retrieved a couple of Creamo
cigar boxes full of old crystals and purchased them
for \$5. In the boxes, I found something very exciting
to a history-lover like me:
five Imperial Japanese Navy
transmitter crystals, circa WW-II.

Considering that the vast, vast majority of these
crystals presently decorate the watery graves of
brave young men, I feel fortunate to have found
these small bits of a large and heroic drama.
Finding them is like finding a Minie' bullet on
the battlefield at Gettysburg. It may seem small
and unimportant in itself, but it is a thread in
the great tapestry of human struggle, a single note
in the song of our existance. It has a story to tell.

Of course, there are lots of people who'd take
a bullet from Gettysburg and carve a fishing
weight from it, or use it to break out a window;
but I'm not talking to them. They should stop

rolling their eyes, hit "delete" and continue on their happy-happy road to oblivion. I'm speaking to the exceptional few who hear that song and value it.

These artifacts can only belong to the Japanese people. I'm taking some photos of them to scan and then I'd like to send them home. However, I don't want to send them to some private collector where they will sit on a dusty shelf or be bartered for an old dynamotor. Can any of you point me in the direction of a Japanese public institution or museum? Perhaps the current JDF Navy has an archive? Any ideas?

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: wi2p@VNET.IBM.COM
Subject: Re: Johnson Thunderbolt, RF Amps in general
Message-ID: <199611031407.IAA07198@uro.theporch.com>

Just an update on my progress. Replaced all bypass caps with new, resoldered all connections in grid, screen grid and plate circuits. Retightened all screw connections, checking ground connections where appropriate. Still have the problem. Double checked all voltages for the thousandth time. Maybe forgot to mention, filament voltage is 5.198 on a commercial Fluke DVM. Is that too high and can that play a part in this? I think limit should be +/- 20% which would make the limit 5.1 volts.

Tried the neon bulb idea, ran it all over the entire rig (in small stages, can only leave the amp in static mode for a few seconds at a time to prevent tubes from over heating). No glow anywhere. Yes, the bulb is good. Tried using my GDO (old Heath, only one I have available at moment, always worked for me on past homebrew and troubleshooting projects). Using as absorption wavemeter the oscillation appears well above 250mc, as the meter is still climbing as I reach the end of my GDO range. My son tells me he gets TVI on his TV upstairs when I key the amp (channel 6) but I don't see any on a TV monitor in the shack (on channel 4). About the only thing I haven't replaced (although I did resolder the resistor connections) are the factory original parasitic chokes in the plate leads, silver strap 1/2 wide, 2 inch long coil, three turn choke shunted by three 220 ohm 2 watt resistors in parallel. What can go wrong with a factory specified choke? Silver is quite tarnished but otherwise appear factory original.

That's it for now.

73, Ray WI2P wi2p@vnet.ibm.com

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: JUST A NOTE: ON FS/TRADE
Message-ID: <2.2.16.19961103115526.238f826c@fvmail.com>

Hi gang;

well it's been hecktic the last few days, the father-in-law in hospital
agin this year, last had his left lung removed, this year his right kidney...
touch & go...wife in a turmoil...

ANYWAY, the list i told you about, is doing good,
but, Remember.....this is stuff i don't want/need....make offers..
there is a small list of items i'd trade for included, although it's not the
only stuff i'd trade for.....this suff takes up a lot of room/space....it
wouldn't hurt my feelings if someone took it all...(that would be a pick-up
for sure)

IF you think a price is out of line...think " I'll make an OFFER"
as long as it's a reasonable....you can't insult me....

thanks for the space, if you want the list again, or would like it
for the first time, email me....it's to beg for here....remember it's parts
some equipment..etc.

thank you

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors
<your name>

the news group: rec.radio.amateur.boatanchors

news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: Gary Youney <72302.2164@CompuServe.COM>

Subject: Need connectors

Message-ID: <961103193441_72302.2164_DHR50-1@CompuServe.COM>

Does anyone know where I can find some of the 5-pin male connectors (used to be Amphenol, I think) for the rear of an Invader, Valiant, etc.? I've searched high and low, with no results!

73, Gary

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>

Subject: Re: Need connectors

Message-ID: <Pine.A32.3.91.961103154151.23374A-1000000@ppdu.nrl.navy.mil>

Gary,

The multi-pin connectors formerly manufactured by Amphenol are now handled by WPI (Wire Pro Inc.), 23 Front Street, Salem, NJ 08079, Phone: 609-935-7601. Their connectors are distributed by ECCO (Electornic Connector Corp.), 6332 So. Central Ave, Chicago, IL 60638, Phone: 312-767-2200 and by Allied Electronics, Phone: 1-800-433-5700.

If you give me a description of the 5-pin male connectors with dimensions, I will attempt to find the WPI part number in my WPI catalog.
Paul Bernhardt, KF4FOR

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>

> 73, Gary

>

>

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996

From: Ronald H Steinberg <rhstein@interaccess.com>

Subject: QUERY ON MOTOROLA MOBILE HAM STATION

Message-ID: <199611031651.KAA15977@flowbee.interaccess.com>

I am posting this for Joe Schroeder, W9JUV for distribution on BA...
You can e-mail me Ronald H Steinberg, K9IKZ, rhstein@interaccess.com or
contact Joe directly

QUERY ON MOTOROLA MOBILE HAM STATION, CA 1956

In the 1950s, Motorola had an amateur radio division run by Harry Harrison, W9LLX; it provided an outlet for trade-in Motorola AM gear that would otherwise be scrap. For a brief time this division put together an all-band mobile station which had a Gonset Commander transmitter. VFO and Super-Six converter all mounted on a Motorola made steel panel with controls, pilot lights, wiring harness and interconnecting cables. It was to be used with a traded-in Motorola 1620 kc police receiver (the only Motorola electronics item in the whole setup!) and dynamotor high voltage supply.

I bought one about 1955 or 1956 when I was working for Motorola but later traded it in for half of a Cessna 140 when I got my pilot's license. Since then I've never seen another until last summer, when I found one at Radiofest in Elgin.

Query: Does anyone else remember this short-lived Motorola ham product? If so, do you have any ads or other literature describing it? I have the Gonset manuals, but surely Motorola supplied some kind of user instructions and wiring diagram, and ran at least an ad or two somewhere promoting it. Motorola did advertise an FM monitor receiver in QST in 1956, but I've found no ads for this mobile thing.

73,

Joe Schroeder, W9JUV, Box 406, Glenview, IL 60025 (847) 657-6500,FAX (847)724 8831.

Ron Steinberg K9IKZ rhstein@interaccess.com
 512 S Cherry Itasca IL 60143
 630 773 3583 hm 630 773 0822 hm fax

At work: rentcom@mcs.com http://www.rentcom.com
 847 678 7000 wk 847 678 9378 wk fax

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: QUERY ON MOTOROLA MOBILE HAM STATION
Message-ID: <Pine.GSO.3.93.961103142045.5770H-100000@uhunix2.its.Hawaii.Edu>

Well, this brings up lots of questions. Your post implies that police comms were leaving MF in the mid 50s. So what were their MF comm systems like? What were they using for mobile MF antennas? How much power were they running? Was the shift from MF AM to VHF FM immediate? Feel free to contribute anything regarding this topic!

73 from Hawaii,
Jeff KH2PZ / KH6

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Questions for Key Collectors
Message-ID: <v03007802aea25f87c094@[134.53.65.12]>

Gang,

I'd appreciate some advice from key collectors. First, I've just picked up a Vibroplex Presentation, serial number 188K, which seems to date it about 1954 as best as I can tell. It's in perfect shape, except that the gold on the top plate is rubbed off, where previous owners rested their fingers. Should I get the top plate replated, or is it best to leave the key in original form. Is there any rule of thumb to follow regarding collectable keys with respect to replacing good, but worn looking parts? It would be fairly easy to renovate this key so it looked new, but I'm not sure that's the wise thing to do. Any advice?

Secondly, I found an Instrograph code practice machine which uses paper tapes, and which looks unused. Any idea as to its value?

Thanks,

Jim W8ZR

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: ALanger394@aol.com
Subject: R389/URR LF RECEIVER
Message-ID: <961103140923_1349034499@emout03.mail.aol.com>

Hi Andy

I read your BA digest on the R389 receiver, I have a very fine example made by Collins with serial number 157. Order number 14214-PH-51-93

A label on the back shows the following-:

United States Army Security Agency, Modification Works Order
11-5820-249 (may be 299)-35-1 15th May 1966

Have you any idea what this is?????

Over here in the uk they are pretty rare items. i would like to obtain as much info on this BA as i can.

would you like to exchange info ect,what do you have,

ALLAN LANGER G6EII
23 Highgates close
Bewsey
Warrington
Cheshire
WA5 5AJ
England

tel 01925 445605

Alanger394@aol.com

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: Tom Norris <badger@telalink.net>
Subject: Re: Receiver noise floor - How to measure?
Message-ID: <3.0b33.32.19961103103006.00696fe4@telalink.net>

At 10:57 AM 11/2/96 -0600, Bob wrote:

>The best way to measure HF receiver performance is the 12dB SINAD test.
>Use a 99% 1000 Hz modulated signal. Measure the noise output across the
>audio output. Then apply the generator and adjust to get a 12dB increase
>in level. The uv output of the generator is the sensitivity.
>

Indeed it is the best method to measure any band of reciever, one I use at work daily for VHF, UHF, and microwave gear. I think some of the later Amateur Handbooks have an easy way of setting up to measure SINAD for those who arent sure. One thing needed on the output however is a 1 kc notch filter. Measure the noise -- which is what you are looking for in SINAD -- after the notch.

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA

Eagles may soar, free and proud, but weasels never get sucked into jet engines.

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Receiver noise floor - How to measure?
Message-ID: <Pine.SC0.3.91.961103113922.29261F-100000@sd.cts.com>

On Sun, 3 Nov 1996, Tom Norris wrote:

> At 10:57 AM 11/2/96 -0600, Bob wrote:
> >The best way to measure HF receiver performance is the 12dB SINAD test.
> >Use a 99% 1000 Hz modulated signal. Measure the noise output across the

Back in the '70's, we used 30% modulation, and would have had troubles getting all our enderly HP606's to do 99%. When (and why) did the standard change to full modulation?

John

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: lkayser@rideau.net (Larry Kayser)
Subject: Re: Steam Powered BA's
Message-ID: <199611031237.HAA12519@mail.peterboro.net>

Bob, w4aos wrote

>Sounds like a very bad idea for military equipment. Imagine what might
>happen if the boiler was hit by enemy fire. Wouldn't want to be standing
>next to it!

Well on the other side, as your making a quick stage left exit, jamb the over pressure valve with something and turn up the fire.....

Larry
va3lk / wa3zia

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: spr@earthlink.net (Scott Robinson)
Subject: Tube testers
Message-ID: <v01530503aea28d76dfa1@[153.34.196.58]>

>
>To:boatanchors@theporoch.com
>From:spr@earthlink.net (Scott Robinson)
>Subject:Tube testers
>
>Well, I have both an Eico 666 and two Hickoks (533A and 605A).
>
>The Eico is basically an emission tester, but it allows different screen
>and plate voltages and is easy to create tests for tubes not covered in
>the roll chart.
>
>The two Hickoks are essentially identical in tube testing method. They
>measure true transconductance, which is a better measure of tube
>performance. They also have a gas test, sometimes useful but to be take
>with a grain or tow fo salt as some types just all test a bit gassy.
>
>I prefer the Hickoks but am not selling my Eico as occasionally I come
>across something the Hickok won't test-if memory serves me accurately, VR
>tubes like 0B2s are in that category. There is a guy in indiana who has
>inherited factory Hickok blessing and does repair and calibration of them,
>also useful. Also, the TV-7 series of military tester are serviced by
>another fellow. Names etc. below. The associated commentary is not mine;
>I haven't dealt with either.
>
> Wendell E. Hall
> 3 Mockingbird Cir.
> Jeffersonville, IN 47130
> (812) 282-9709
>
>concerning tube testers, specifically TV-10s. It turns out the he has been
>working with Hickock equipment since the "Big War" (i.e. 1940 or so) and has
>recently retired from the Army at Ft. Knox.
>
>He said he has made arrangements with Hickock to be their resource for tube
>testers, and other equipment, since they are now out of that business. The
>factory will refer all calls to him. He supposedly is getting all the
>information from the factory concerning the old gear. He repairs, sells,
>etc. the equipment.
>
>Nice guy to talk to.
>
>73
>
>Bill Turini KA4GAV/7 turinib@wdni.com
>h (360) 825-1167 w (206) 924-5890
>
>also:
>

>I highly recommend Dan Nelson's work--I just wish he worked on
>AN/USM-118Bs, too.
>He also included a long list of toobz, priced very fairly. Dan advertises in
>ER regularly, and can be reached at 1025 E. Desert Lane, Phoenix, AZ 85040.
>
>
>Regards,
>
>

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Sun Nov 3 20:01:59 1996
From: "Brian Carling" <bry@mail1.mnsinc.com>
Subject: WRL Duobander
Message-ID: <199611031652.LAA27266@user2.mnsinc.com>

I'm still looking for a photocopy of the schematic / circuit diagram,
AND/OR manual for the WRL DUobander 84 rig.

Can anyone help me? Any suggestions?

*** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the great ham radio resources at: *
** <http://www.mnsinc.com/bry/> *
